

Notice of Allowability

Application No.

10/653,221

Examiner

Christopher R. Magee

Applicant(s)

KATAGIRI, SUSUMU

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the reply filed 4/18/2006.
2. ☒ The allowed claim(s) is/are 20-23 and 26-33 (renumbered as 1-12, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 09/722,715.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

CR Magee 4/26/07

Angel Castro C
ANGEL CASTRO
PRIMARY EXAMINER

DETAILED ACTION

Response to Amendment

1. The reply filed 4/18/2007 was applied to the following effect: All relevant objections and rejections are withdrawn as being satisfied.

Reasons for Allowance

2. Claims 20-23 and 26-33 are allowed (renumbered as 1-12, respectively).

The following is an examiner's statement of reasons for allowance:

This application is for a DATA RECORDING/REPRODUCTION APPARATUS HAVING TILT ANGLE ADJUSTMENT MECHANISM.

- **Claims 20 and 21** specify adjustment structure for adjusting a seek mechanism which moves an optical pickup, which requires:

"each of said first and second support mechanisms having a pivot-receiving member, and a pivot comprising a pin having a rounded tip end which engages the pivot-receiving member."

- **Claims 22 and 23** specify adjustment structure for adjusting a seek mechanism which moves an optical pickup, which requires:

"at least two support mechanisms respectively configured to support the chassis in a manner free to tilt with respect to the base body, each of said support mechanisms having a pivot-receiving member, and a pin having a rounded tip end which engages the pivot-receiving member."

- **Claim 30** specifies adjustment structure for adjusting a seek mechanism which moves an optical pickup, which requires:

"wherein said pin is inserted into said pivot receiving member in said focusing direction of the light beam with respect to the optical disk."

- **Claim 31** specifies an optical disk apparatus, which requires:

“wherein said rounded tip end of said pin faces said focusing direction of the light beam with respect to the optical disk.”

The closest prior art of record, Park et al. (US 6,044,057), fails to disclose, teach, show or suggest, by either anticipating or rendering obvious, the invention as set forth in the claims of the instant application. Furthermore, a search made does not detect the combined claimed elements as set forth in the pending claims. Additionally, the reasons for allowance of the claims over the prior art of record is believed to be readily clear, self evident and apparent from the claim language set forth in each of claims 20-23, 30 and 31 when compared and contrasted with the prior art.

More particularly, the instant invention (as set forth in claims 20-23, 30 and 31) provides for an adjustment structure for adjusting a seek mechanism which moves an optical pickup which requires each of said support mechanisms having a pivot-receiving member, and a pivot comprising a pin having a rounded tip end which engages the pivot-receiving member. Further, the instant invention provides for an adjustment structure for adjusting a seek mechanism which moves an optical pickup which requires said pin is inserted into said pivot receiving member in said focusing direction of the light beam with respect to the optical disk and said rounded tip end of said pin faces said focusing direction of the light beam with respect to the optical disk. None of the cited prior art of record discloses such an adjustment structure for adjusting a seek mechanism which moves an optical pickup, as set forth in the manner, function and relationship

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relative to other claimed structures as prescribed by the independent claims as indicated in the applicant's remarks, pages 7-8, dated 11/20/06.

Therefore, these features, in combination with other features of claims 20-23, 30 and 31 are not anticipated by, nor made obvious over, the closest prior art of record of Park et al. (US 6,044,057).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher R. Magee whose telephone number is (571) 272-7592. The examiner can normally be reached on M-F, 8: 00 am-4: 30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on (571) 272-4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Christopher R. Magee
Patent Examiner
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ANGEL CASTRO
PRIMARY EXAMINER

April 25, 2007
crm